# SMCWBR14-N5

## 300 Mbps 4-Port Wireless Broadband Router

### Product Overview

The Barricade™ Broadband Router (SMCWBR14-N5) is an all-in-one networking solution for connecting and sharing your high-speed cable/xDSL Internet connection. This multi-functional broadband router combines a 4-port 10/100 Mbps LAN switch, a high-speed 300 Mbps 11n access point, NAT firewall with SPI, and a user-friendly web-based management interface in one convenient, small form-factor device.

The SMCWBR14-N5 provides up to 300 Mbps high speed wireless 11n connection. With security being a key consideration, the SMCWBR14-N5 supports the latest WPA and WPA2 wireless encryption standards, which prevent unauthorized access to wireless networks.

### Key Features and Benefits

#### Advanced, Robust Security

The SMCWBR14-N5 features a NAT Firewall with Stateful Packet Inspection (SPI) to protect the internal host from hacker attacks.
Wireless security is comprehensive and includes WPA/WPA2 PSK and Enterprise as well as a WPS button to provide the ultimate convenience for one-touch secure connectivity.

#### Easy to Set Up

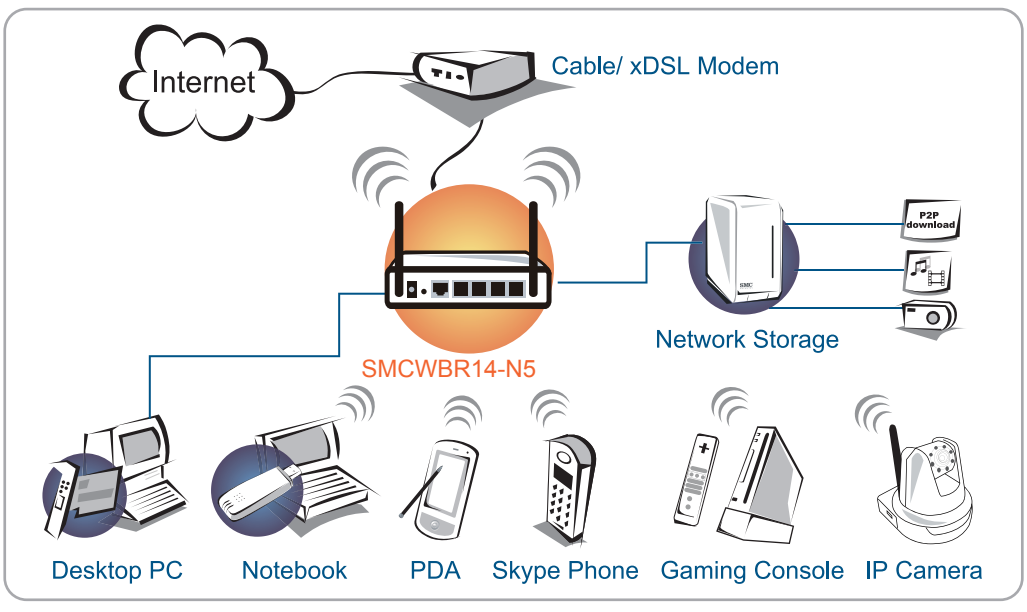
The SMCWBR14-N5 includes EZ Installation. Just insert the EZ installation CD and it will help you setup and configure your router step-by-step in minutes.

#### Feature Rich

The SMCWBR14-N5 provides a multitude of features for the most demanding network requirements, including Wireless Distribution System (WDS), dual SSIDs, static and dynamic routing (RIP v1, v2), and more.

### Application Diagram

Solution



## Features

### Physical
- One 10/100 Mbps WAN port
- 4-port 10/100 Mbps LAN switch
- Two external detachable 5 dBi antennas
- One power On/Off button
- WPS/Reset button

### Management Features
- EZ Installation Wizard
- Web-based management interface (HTTP)
- Remote management
- SNTP time synchronize

### Security Features
- NAT firewall with SPI
- Access control
- MAC filter

### ALG Management
- DMZ host
- SSID broadcast disable
- Wireless MAC address filtering
- WEP 64/128-bit encryption
- WPA/WPA2-PSK (Pre-Shared Key)
- Wi-Fi Protected Setup (WPS)

### Router Features
- Share your high-speed cable/xDSL Internet connection
- 4-port 10/100 LAN switch with auto MDI-MDIX
- Built-in Wireless-N access point
- Static route
- RIP1/RIP2
- NAT with ALGs
- Dual SSIDs
- 802.11e WMM
- IGMP Proxy

### Standards
- Wired:
  IEEE 802.3 (10BASE-T),
  IEEE 802.3u (100BASE-TX)
- Wireless:
  IEEE 802.11b
  IEEE 802.11g
  IEEE 802.11n

### Operating Frequency
- FCC: 2412~2462 MHz (Ch1~Ch11)
- ETSI: 2412~2472 MHz (Ch1~Ch13)

### Temperature
- Operating: 0 ºC to 40 ºC (32 ºF to 104 ºF)
- Storage: -40 ºC to 70 ºC (-40 ºF to 158 ºF)

### Humidity
- Operating: 10% - 90% RH, non-condensing
- Storage: 5% - 90% RH, non-condensing

### Dimensions
- (L) 175 mm (W) 102 mm (H) 30 mm

### Upgrade Method
Web

### Transmit Output Power (Typical)
- 802.11b: 18 dBm ± 2 dBm
- 802.11g 54 Mbps: 14 dBm ± 2 dBm
- 802.11n HT20 MCS7: 11 dBm ± 2 dBm
- 802.11n HT40 MCS7: 9 dBm ± 2 dBm

### Sensitivity
- 270M: -68 dBm @ 10% PER
- 130M: -68 dBm @ 10% PER
- 108M: -68 dBm @ 10% PER
- 54M: -68 dBm @ 10% PER
- 11M: -85 dBm @ 8% PER
- 6M: -88 dBm @ 10% PER
- 1M: -90 dBm @ 8% PER

### Package Contents
- SMCWBR14-N5
- Power adapter
- Ethernet cable
- Quick Install Guide
- EZ Installation Wizard & Documentation CD
- SMC Warranty Registration Card

### Weight
- Device: 208 g
- Antennas: 31 g

### Power Requirement
- Input: 100 ~ 240 VAC, 50/60 Hz
- Output: 9 VDC, 0.6 A

### Certifications
- FCC Class B
- CE Mark
- RoHS compliant

### Warranty
Please check www.smc.com for the warranty terms in your country.

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